

Circle to Circle Committee

Approved Meeting Minutes

APPROVED

October 21, 2015

8:30 a.m.

Council Chambers, Town Hall

Circle to Circle Committee Members present:	Jim Gant (Chairman), Jack Daly, Tom Sharp, David Bachelder, David Ames, Kyle Theodore, Mike Thomas, Joe Kernan, Leslie Richardson, Carleton Dallas, Tom Lennox
Town Staff present:	Charles Cousins, Jill Foster, Scott Liggett, Darrin Shoemaker, Shawn Colin, Shea Farrar, Jennifer Ray, Tom Fultz

- Chairman Gant began the meeting at 8:37 a.m.
- The meeting agenda as well as the minutes from the September 16, 2015 were approved.
- Chairman Gant introduced the first agenda item: Road System Management Authority Proposal. Committee Mr. Kernan provided a briefing (attached) entitled “Focused Road System Management Authority.” The thrust of the briefing is to treat the multiple owner Hilton Head roads and streets as a single road system. Via a memorandum of understanding among the owners a Project Manager would be placed in charge of the single road system project. Using a systems approach the Manager would define the traffic network, establish a budget and schedule to make necessary changes to roads and traffic management. The project would include use of “Internet of things” technology to provide dynamic control of traffic via an automated integrated traffic light system.
- Chairman Gant then introduced the second agenda item: Schedule for Traffic Modeling and Mitigation. Shawn Colin provided an update that initial mitigation recommendations will be discussed at the next meeting. The 2015 traffic conditions have been modeled and are under review. Staff received the input from Committee Member and realtor David Bachelder on the potential most-likely development for the 2030 projections.
- Chairman Gant then introduced the third agenda item: Outline for Traffic Status and Mitigation. The Committee reviewed and approved an outline format for keeping track of status and mitigation options.

- Chairman Gant then introduced the forth agenda item: Interim Report to Town Council. The Committee approved the draft interim report that will be sent to the Town Council members before their November planning retreat.
- Chairman Gant then introduced the fifth agenda item: Urban Planning Consultant Selection. Composition of the consultant selection team was reviewed and approved by the Committee. David Ames, Kyle Theodore and Mike Thomas will work with the Town Staff to review proposals and make recommendations to the Committee on the selection of an urban planning consultant. Responses are due November 3rd. Copies of responses will be distributed to the selection team who will check references and select a number of candidates for in-person interviews.
- Following public comments, Chairman Gant adjourned the meeting at 10:17 a.m.

Meeting date: October 21, 2015

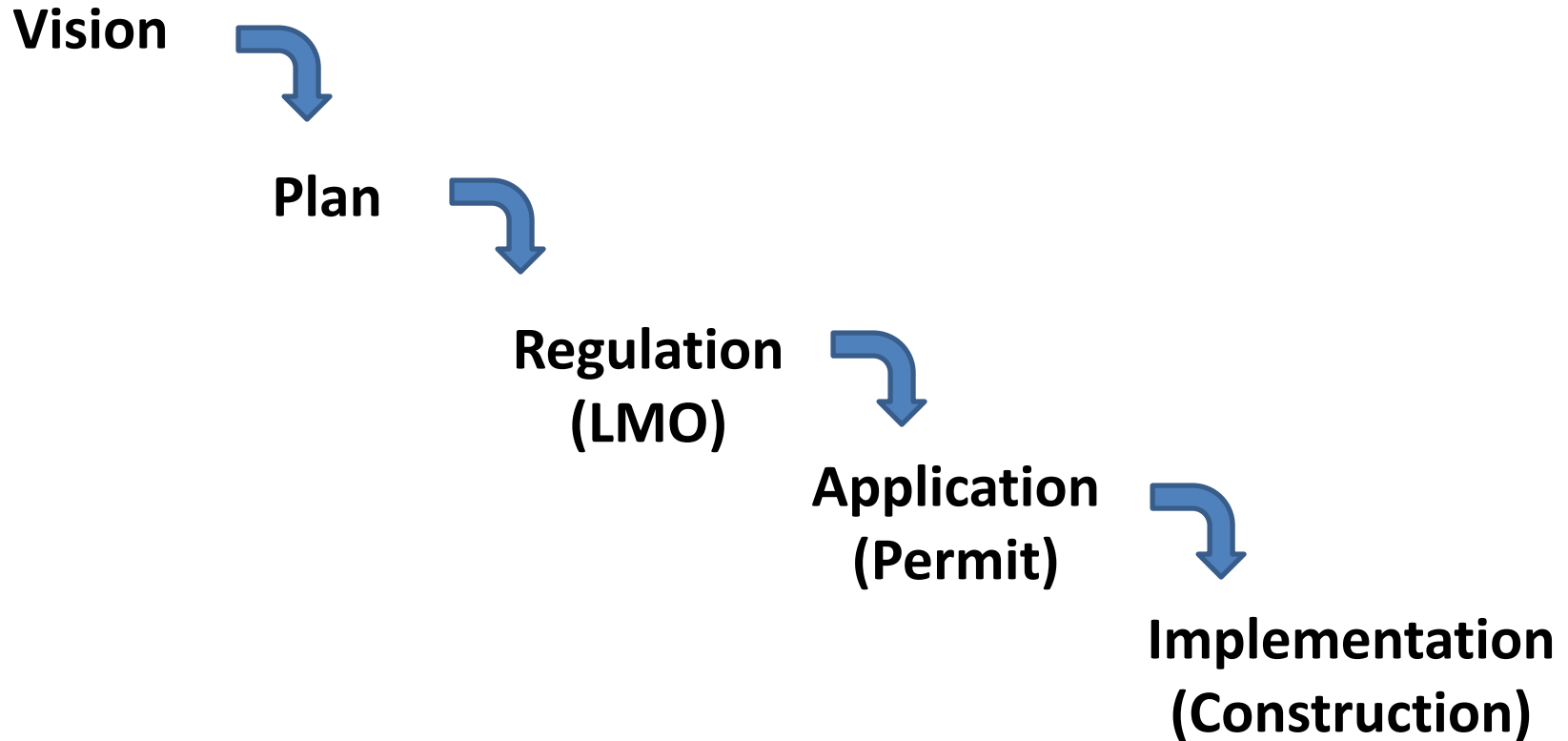
Approved: November 4, 2015

Chairman: _____
Jim Gant

Submitted by: Shea Farrar

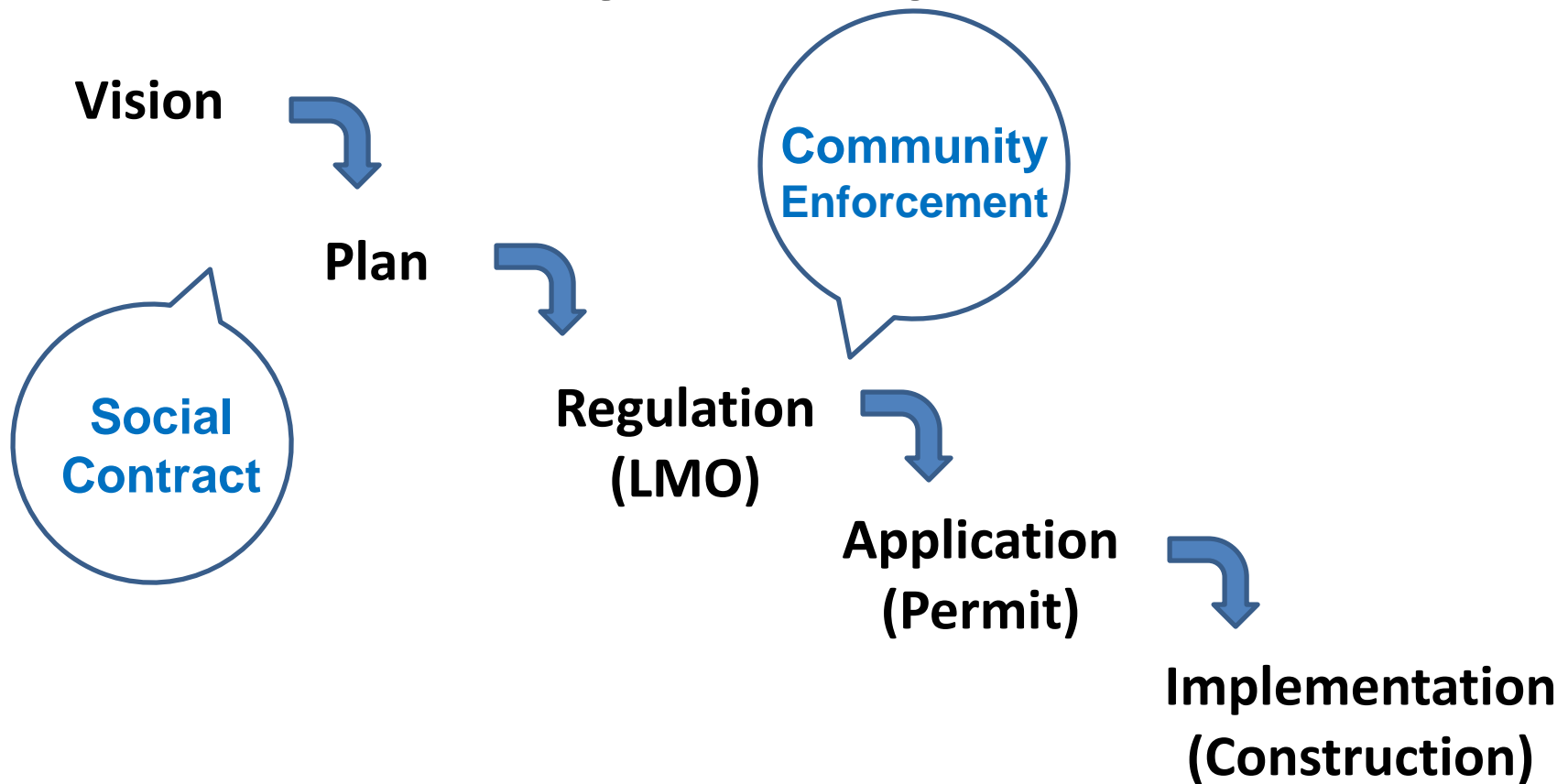
Proposal for a
Hilton head Island
Focused
Road System Management Authority

Community Development Context



Infrastructure Capacity

Community Development Context



Infrastructure Capacity Constraints

Infrastructure Networks

The keys to sustaining vision and social contract

- Road System Network
- Sewerage Network
- Water Supply Network
- Electrical Power Network
- Storm Sewer Network
- Information Networks

Infrastructure Networks

The keys to sustaining vision and social contract

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Comprehensive Plan Assessment

Electrical Power Network

Underground Cable Project

Project Mgmt. Authority	Single Authority (Palmetto Electric)	✓
System Engineering	Palmetto Electric	✓
Financial Management	Palmetto Electric	✓
Budget /Schedule	Palmetto Electric	✓

Underground Cable Project is successful because all project elements are under single focused management authority

Comprehensive Plan Assessment

Municipal Road System Network

1986 Roads Project

Project Mgmt. Authority	Multiple: State, County, Town, Commercial, Plantation	✗
System Engineering	Variable, unknown	✗
Financial Management	Missing, mixed	✗
Budget /Schedule	None system wide	✗

Road System Project is not successful because all project elements are under various management authorities.

There is no single focus management authority.

Packet Viewpoint

Time to address island's road needs

One of the unheralded casualties of the continuing sniping back and forth over the so-called Grass Roots Amendment, the LMO, the DSO, the PPO, etc., has been a lack of attention to more pressing community needs. Recent developments lead us to believe, however, that the situation is changing for the better.

In an address to the Homebuilders Association of Hilton Head Island last week, Mayor Michael J. Malanick said that alleviating traffic congestion on William Hilton Parkway (U.S. 278) is a high priority for town government. In addition to continuing pressure on county and state officials for a four-lane road to Interstate 95 and for pushing ahead with a cross-island toll road, Malanick said, the town is taking a look at less ambitious measures.

On Thursday, a secondary highway plan will be presented to the town's road committee. The plan consists of numerous proposed projects, including bypasses, turn lanes, intersection improvements and various other measures that could enhance the carrying capacity of our road network.

Drafted by the transportation committee of the Hilton Head Island Chamber of Commerce, under developer/planner David Ames, the plan is an excellent starting point for intelligent discussion on our road needs. It is based on the premise that Hilton Head not only cannot afford to wait for a windfall from Columbia or Washington, D.C., to begin addressing this problem, but also that if we don't soon commit ourselves to a comprehensive road plan, we may never get gain the upper hand. For example, if the town ever hopes to construct loops around Sea Pines Circle, it must identify and set aside rights-of-way so that the land is available when the funds finally are obtained.

If we don't adopt such a plan, William Hilton Parkway will become as unworkable as Abercorn Extension in Savannah. Anyone who has spent half-a-dozen light changes waiting to turn left towards Abercorn Mall knows what we're talking about.

**Island Packet
November 19, 1986**

**Comprehensive Plan
Roads Projects**

**HHI Chamber of
Commerce**

**Transportation
Committee**

State Projects

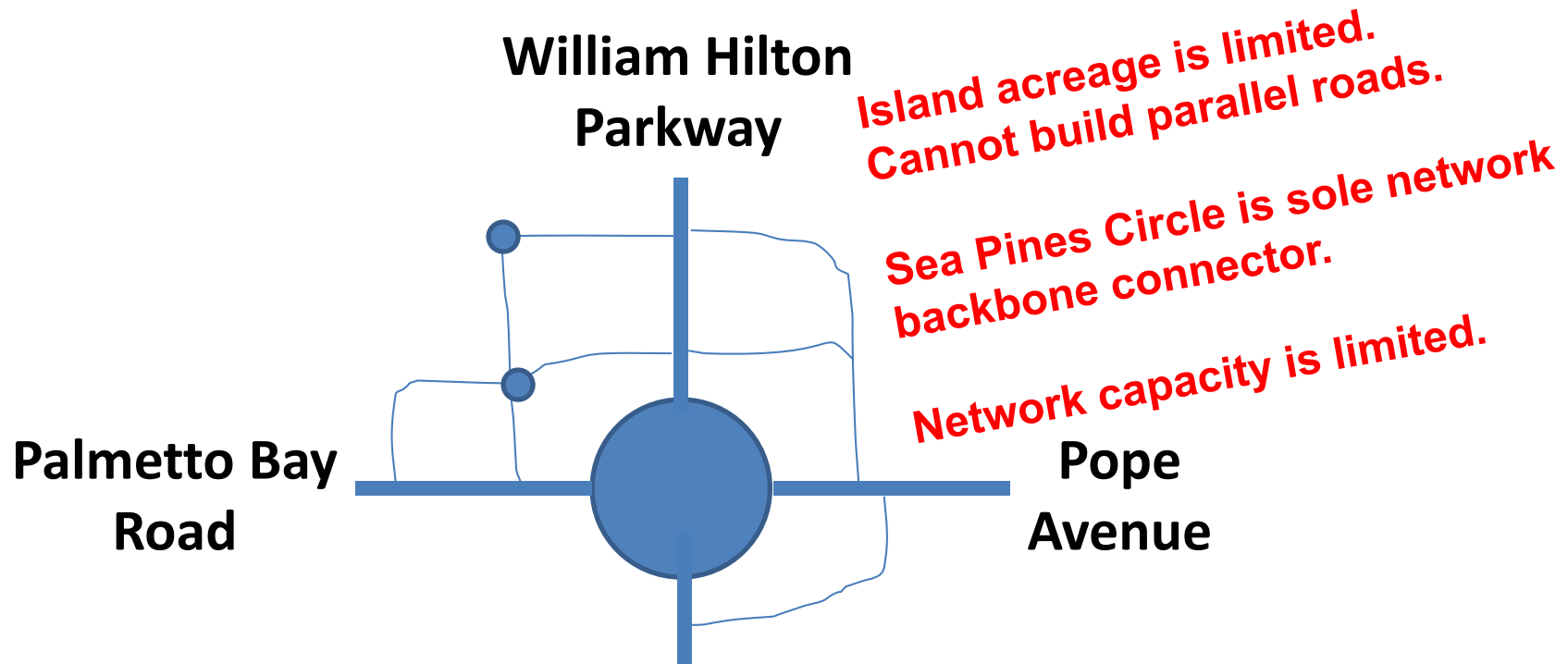
✓ **4 lane highway to I95**
✓ **Cross-island toll road**

**Local in-town
road projects**

HHI Projects

Build-Out Reality

Sparse Road Network Topology



Hard Reality: We cannot expand road network!
We have to manage traffic flow

Conclusions

- 1 . Roads and streets must be treated as a single system.
2. All Road Owners/Authorities plans/projects must be unified via single management authority.
3. Multiple funding sources must be used and coordinated e.g. State, County, TIF.
4. The single management authority must plan, budget and schedule a five year road system initiative.

Single System Engineering Tasks

Task 1

Identify residential, commercial and tourist traffic communities of interest

Establish traffic communities of interest priorities over time

Task 2

Identify roads and streets that form the road system network

Create simulation model tool

Use simulation tool to define traffic communities of interest

Task 3

Research “Internet of Things” technology

Apply sensor and control electronics to adaptively control traffic lights

Task 4

Identify and schedule system segment improvements

Validate traffic improvements via simulation model

Road System Management Model

